

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S1 | 1 | 10/825282 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/10 14:01 |
| S2 | 13 | Bellgrau Donald | US-PGPUB; USPAT; EPO; JPO; DERWENT | NEAR | ON | 2007/04/10 13:59 |
| S3 | 27 | Bellgrau Donald OR Duke Richard OR Schaack Jerome | US-PGPUB; USPAT; EPO; JPO; DERWENT | NEAR | ON | 2007/04/10 14:51 |
| S4 | 5 | S3 and (apoptosis CrmA FasL Fas ADJ ligand). clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/10 15:40 |
| S5 | 4287 | (apoptosis CrmA FasL Fas ADJ ligand).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/10 14:05 |
| S6 | 1542 | S5 and (crmA FasL OR Fas) | US-PGPUB; USPAT; EPO; JPO; DERWENT | SAME | ON | 2007/04/10 14:06 |
| S7 | 332 | S5 and (crmA FasL OR Fas).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | SAME | ON | 2007/04/10 14:11 |
| S8 | 511 | vector and (crmA FasL OR Fas).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT | SAME | ON | 2007/04/10 14:12 |
| S9 | 168 | vector and (crmA FasL OR Fas).clm. | USPAT; EPO | SAME | ON | 2007/04/10 14:12 |
| S10 | 17 | Duke Richard | US-PGPUB; USPAT; EPO; JPO; DERWENT | NEAR | ON | 2007/04/10 14:51 |
| S11 | 49 | Hamada Hirofumi | US-PGPUB; USPAT; EPO; JPO; DERWENT | NEAR | ON | 2007/04/10 15:52 |
| S12 | 7 | S11 and (apoptosis CrmA FasL Fas ADJ ligand) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/10 15:53 |
| S13 | 7 | S11 and (apoptosis CrmA) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/04/10 15:53 |

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(FILE 'HOME' ENTERED AT 15:28:02 ON 10 APR 2007)

FILE 'MEDLINE, SCISEARCH, CAPLUS, BIOSIS' ENTERED AT 15:28:15 ON 10 APR 2007

L1 54 S APOPTOSIS (L) CRMA (L) FASL
L2 21 DUP REM L1 (33 DUPLICATES REMOVED)
L3 6 S L2 AND PY<=1999
L4 445 S APOPTOSIS (L) CRMA (L) FAS?
L5 263 S L4 AND PY<=1999
L6 88 DUP REM L5 (175 DUPLICATES REMOVED)
L7 20 S L6 AND (FASL OR FAS(3W)LIGAND)
L8 20 FOCUS L7 1-
L9 7 S L8 AND ADENO?
E DUKE RICHARD?/AU
E BELLGRAU DONALD?/AU
L10 69 S E2
L11 0 S L10 AND L1

=> d ti so au ab pi 19 7 4 3

L9 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
TI Viral vector system capable of expressing an apoptosis-associated gene
SO PCT Int. Appl., 51 pp.
CODEN: PIXXD2
IN Hamada, Hirofumi
AB An **apoptosis**-resistant virus-sensitive cell line based upon cell line 293 is disclosed. To such cells, **apoptosis** resistance genes such as **crmA**, bcl-2, bcl-x1, FLIP, survivin, IAP, or ILP have been introduced. The generation of **adenovirus** vectors capable of expressing **apoptosis**-associated genes such as **FAS**, FLICE, bcl-xs, and Bax is achieved using said cell line. The recombinant viruses of the invention may be useful for gene therapy for cancer, autoimmune diseases, graft rejection, and inflammatory diseases.

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|--------------|
| WO 9913073 | A2 | 19990318 | WO 1998-JP4010 | 19980907 <-- |
| WO 9913073 | A3 | 19990610 | | |
| W: AU, CA, KR, NZ, US | | | | |
| RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| JP 11075859 | A | 19990323 | JP 1997-259235 | 19970908 <-- |
| AU 9889991 | A | 19990329 | AU 1998-89991 | 19980907 <-- |

L9 ANSWER 4 OF 7 MEDLINE on STN
TI Construction, propagation, and titer estimation of recombinant **adenoviruses** carrying proapoptotic genes.
SO Human gene therapy, (1998 Dec 10) Vol. 9, No. 18, pp. 2683-9.
Journal code: 9008950. ISSN: 1043-0342.
AU Shinoura N; Ohashi M; Yoshida Y; Asai A; Kirino T; Saito I; Hamada H
AB Generation of a recombinant **adenovirus** (Adv) that induces the constitutive expression of an apoptotic gene has been extremely difficult owing to severe apoptotic damage to the host cell. In this study, 293 cells were transduced with the caspase-inhibiting **CrmA** gene (293-**CrmA** cells), and used as host cells to generate Adv carrying **apoptosis**-inducing genes (proapoptotic genes). The 293-**CrmA** cells proved to be highly efficient for the construction of recombinant Adv carrying genes encoding **Fas** and **Fas ligand**. Moreover, the 293-**CrmA** line produced an ample quantity of these recombinant viruses. Because the conventional 293 plaque formation assay did not reflect the actual number of cells infected with the Adv carrying the proapoptotic gene, a determination of the Adv DNA copy number introduced into target cells was

necessary to evaluate the quantity of infective virus. The techniques described here should be widely applicable for the construction of a recombinant Adv, in ample quantity, and for the estimation of the quantity of recombinant Adv produced.

L9 ANSWER 3 OF 7 MEDLINE on STN
TI **Adenovirus**-mediated expression of **Fas ligand**
induces apoptosis of human prostate cancer cells.
SO Cell death and differentiation, (1999 Feb) Vol. 6, No. 2, pp.
175-82.
Journal code: 9437445. ISSN: 1350-9047.
AU Hedlund T E; Meech S J; Srikanth S; Kraft A S; Miller G J; Schaack J B;
Duke R C
AB Several laboratories have reported on the apoptotic potentials of human
prostate cancer (PC) cell lines in response to crosslinking of **Fas**
(CD95/APO-1) with agonistic anti-**Fas** antibodies. We have
re-evaluated the apoptotic potentials of seven human PC cell lines using
the natural **Fas ligand (FasL)** in place of
agonistic antibody. First, PC cell lines were tested in a standard
cytotoxicity assay with a transfected cell line that stably expresses
human **FasL**. Next, we developed an **adenoviral**
expression system employing 293 cells that stably express **crmA**,
a poxvirus inhibitor of **apoptosis**, to analyze the effects of
FasL when expressed internally by the PC cell lines. Our data
suggest that the apoptotic potentials of these cell lines were greatly
underestimated in previous studies utilizing agonistic anti-**Fas**
antibodies. Lastly, **adenoviral**-mediated expression of
FasL prevented growth and induced regression of two human PC cell
lines in immunodeficient mice. These preliminary in vivo results suggest
a potential use for **adenovirus** encoding **FasL** as a gene
therapy for PC.

=>

Seq Search #10825282

66349

STIC-Biotech/ChemLib

From: Priebe, Scott
Sent: Thursday, May 09, 2002 12:33 PM
To: STIC-Biotech/ChemLib
Cc: Kaushal, Sumesh
Subject: FW: 09/456357: SEQUENCE SEARCH >> PLEASE RUSH <<

Importance: High

Please RUSH the information requested below.

-----Original Message-----

From: Kaushal, Sumesh
Sent: Thursday, May 09, 2002 11:07 AM
To: Priebe, Scott
Subject: 09/456357: SEQUENCE SEARCH >> PLEASE RUSH <<

Scott:

Thanks-sk

09/456357: SEQUENCE SEARCH

Title: VIRAL VECTORS ENCODING APOPTOSIS-INDUCING PROTEINS AND METHODS FOR MAKING AND USING THE SAME
Inventor: BELLGRAU, DONALD

Please search

SEQ ID NO: 5, 7 and 37 DNA
SEQ ID NO: 6, 8 and 38 A.Acid against DNA databases.

SEQ ID NO:4 (31183bp long) in Five segments 500 bp each as listed below:

1-500
10000-10500
15000-15500
20000-20500
26183-31183

thanks

S. Kaushal
CM1 12A07 AU1636
Ph: 703-305-6838
Mail Box: 11E12

>> PLEASE RUSH <<

Point of Contact:
Toby Port
Technical Info. Specialist
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703-308-3534

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Full text: _____
Patent Family: _____
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